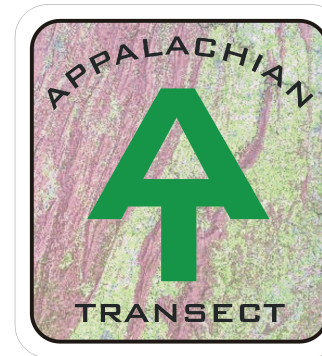
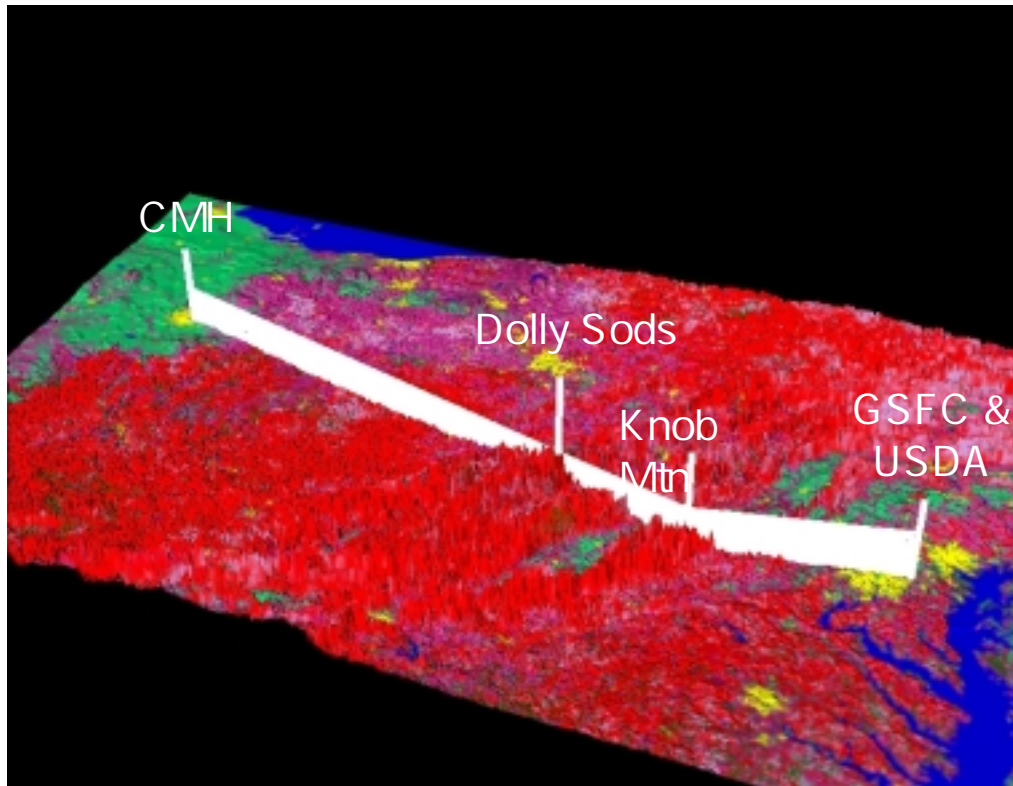


University of Maryland - Vegetation Continuous Fields
MODLAND VALIDATION REVIEW

17 November 1999





Acquisition Strategy:

- Leaf Off: 27 March - 7 April, 2000 *
- Leaf On: 24 July - 4 August, 2000
- * L7 will be used to verify that snow cover has abated.

Way Points:

- GSFC Buildings 32 & 33, Greenbelt, MD (38d59'34"N 76d50'23"W)
- USDA-ARS EOS Core Site, Beltsville, MD (39d01'50"N 76d50'50"W)
- Knob Mountain, Shenandoah National Park, VA (38d43'44"N 78d20'56"W)
- Dolly Sods Wilderness, WV (39d00'00"N 79d22'30"W)
- CMH Airport, Columbus, OH (39d59'46"N 82d53'20"W)

Visualizations courtesy of Paul Davis/CRESS

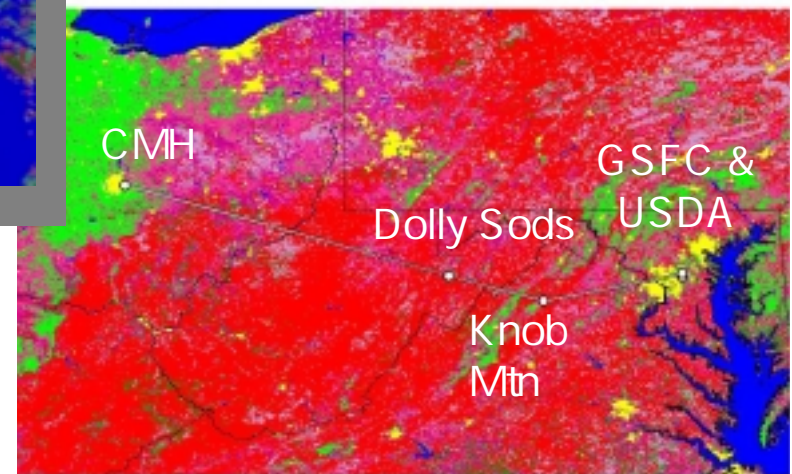
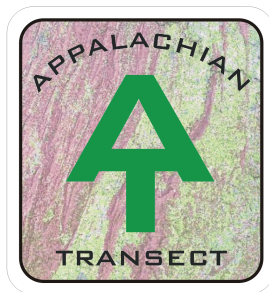




Image example courtesy of Positive Systems. Area shown is near Cowetta, GA.



Instrument: ADAR System 5500

Spatial Resolution: 1m

Swath Width: 750m

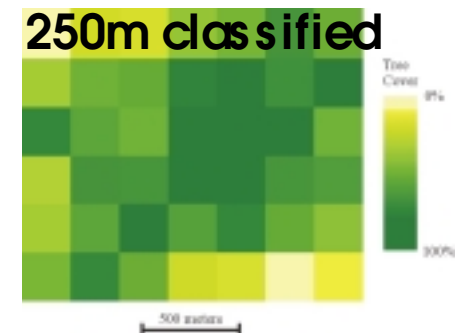
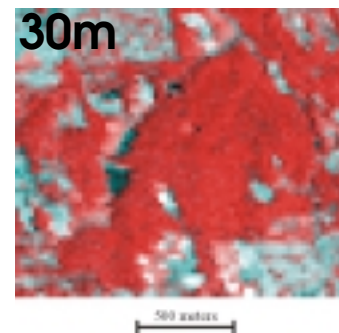
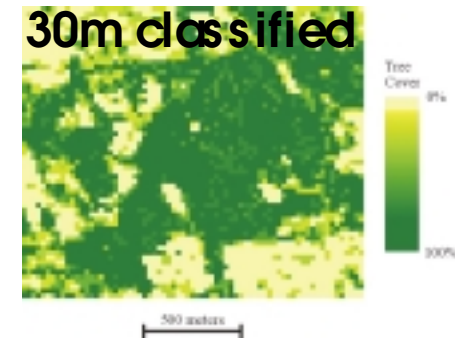
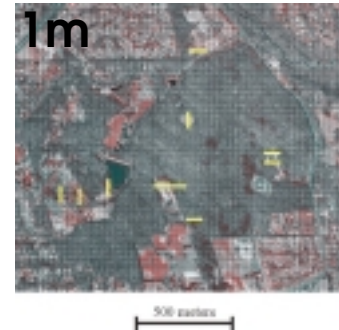
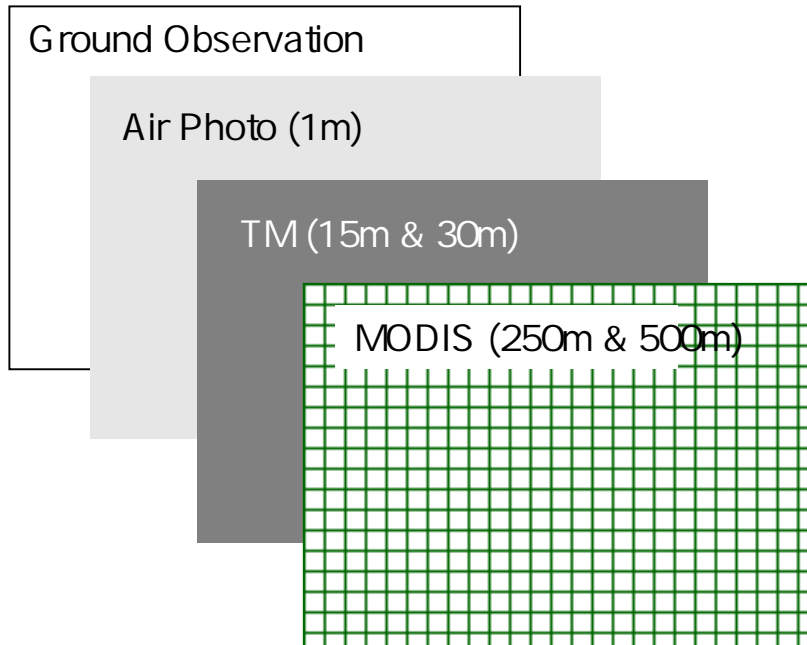
Spectral Resolution: 450-515nm (blue); 525-605nm (green); 630-690nm (red); 750-900nm (NIR)

Quantization: 8 bit

Geocoding: On-board GPS scene center accurate to +/- 100m



Vegetation Continuous Fields Validation using Appalachian Transect



- Coordinated observations from ground, air, and satellite.
 - Provides the opportunity to examine scaling issues.
 - Example shows prototype from Summer '99 field activities.
- (see www.geog.umd.edu/landcover/cress/landval.htm for details)